

Applicant or Patentee: Charles Joel Arntzen and Dominic Man-Kit Lam

Serial or Patent No.: Not Yet Assigned

Filed or Issued: June 7, 1995

For: Vaccines Expressed in Plants

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27(c)) -- SMALL BUSINESS CONCERN**

I hereby declare that I am

the owner of the small business concern identified below:
 an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN: Edible Vaccines, Inc.

ADDRESS OF CONCERN: 100 Hawthorn, Conroe, Texas 77301

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third-party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed, to and remain with the small business concern identified above with regard to the invention, entitled Vaccines Expressed in Plants by inventor(s) Charles Joel Amtzen and Dominic Man-Kit Lam described in

the specification filed herewith.
 application serial no. 08/479,742, filed June 7, 1995.
 patent no. _____, issued _____

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights in the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention owing to their status as small entities. (37 CFR 1.27).

FULL NAME: _____
ADDRESS: _____

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

FULL NAME: _____
ADDRESS: _____

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

FULL NAME: _____
ADDRESS: _____

INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: Dr. Dominic Man-Kit Lam

TITLE OF PERSON OTHER THAN OWNER: President

ADDRESS OF PERSON SIGNING: 100 Hawthorn, Conroe, Texas 77301

SIGNATURE: Dr. Dominic Man-Kit Lam Date: July 14 95

PATENT
P00245US4
PRODIGENE, INC.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ARNTZEN, Charles J. et al GROUP ART NO. 1806
SERIAL NO: 08/479,742 EXAMINER:
FILED: June 7, 1995
TITLE: VACCINES EXPRESSED IN PLANTS

**REVOCATION OF PRIOR POWERS, APPOINTMENT OF
NEW POWER OF ATTORNEY AND CHANGE OF ADDRESS**

To the Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

As ASSIGNEE of the entire right, title and interest of
the above identified, ProdiGene, Inc. hereby

REVOCATION OF PRIOR POWERS OF ATTORNEY

Revoke all powers of attorney of Ned L. Conley,
Registration No. 19,204; Kevin L. Daffer, Registration No.
35,146; Michael F. Heim, Registration No. 32,702; Shawn
Hunter, Registration No. 36,168; Bruce Noel Kivlin,
Registration No. 33,929; C. Steven McDaniel, Registration No.
33,962; Gregory L. Maag, Registration No. 32,363; Eric B.
Meyertons, Registration No. 34,876; Leslie V. Payne,
Registration No. P38,267; David A. Rose, Registration No.
26,223; Jeffrey W. Tayon, Registration No. 30,717; and
Marcella W. Watkins, Registration No. 36,962; Texas Commerce

Tower, 600 Travis, Suite 1850, Houston, Texas 77002-2912,
previously given and

NEW POWER OF ATTORNEY

Hereby appoint the following attorneys to prosecute and
transact all business in the Patent and Trademark Office
connected therewith:

Donald H. Zarley, Registration No. 18,543; Bruce W.
McKee, Registration No. 19,651; Dennis L. Thomte,
Registration No. 22,497; Michael G. Voorhees,
Registration No. 25,715; Edmund J. Sease, Registration
No. 24,741; Mark D. Hansing; Registration No. 30,643;
Kirk M. Hartung, Registration No. 31,021; Mark D.
Frederiksen, Registration No. 31,357; Daniel J.
Cosgrove, Registration No. 36,770; Michael R. Crabb,
Registration No. 37,298; Heidi S. Nebel, Registration
No. 37,719; Bruce A. Johnson Registration No. 37,361;
Wendy K. Hartung, Registration No. 39,705; and Jeffrey
D. Harty, Registration No. P-40,639; 801 Grand Avenue,
Suite 3200, Des Moines, Iowa 50309-2721.

CHANGE OF ADDRESS

SEND CORRESPONDENCE TO:	DIRECT TELEPHONE CALLS TO:
ZARLEY, McKEE, THOMTE, VOORHEES & SEASE 801 Grand Avenue, Suite 3200 Des Moines, Iowa 50309-2721 (515) 288-3667	Heidi S. Nebel at (515) 288-3667

The undersigned further declares that he is an officer of
Assignee corporation and is authorized to sign the Power of
Attorney on behalf of said corporation.



John Howard

President

ProdiGene, Inc.

1500 Research Pkwy., Suite 220

College Station, Texas 77845

Dated: 10-10-97

00000000000000000000000000000000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Charles Joel Arntzen
Dominic Man-Kit Lam §
§
§ GROUP NO.:
S SERIAL NO.: 08/479,742 §
§
§ EXAMINER:
FILED: June 7, 1995 §
§
FOR: Vaccines Expressed in Plants §

Attorney Docket No.: 1621-00206
Date: August 22, 1996

**TRANSMITTAL OF COMBINED DECLARATION AND
POWER OF ATTORNEY OF CHARLES J. ARNTZEN**

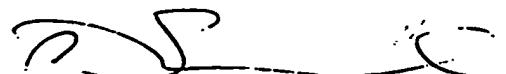
Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified matter is a *Combined Declaration and Power of Attorney* signed by Charles J. Arntzen, with a copy of the specification, claims, drawings and preliminary amendment attached. By this filing, Dr. Arntzen joins in the prosecution of this application, as provided under 37 C.F.R. § 1.47(b).

Applicants believe that no fee is due as a result of filing this paper. If the Commissioner deems that a fee is owing, please charge the same to Deposit Account No. 03-2769 of Conley, Rose & Tayon, P.C., Houston, Texas.

Respectfully submitted,



CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class U.S. Mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

P. Steven McDaniel

(Printed name of person mailing paper)

8-23-96
(Date)

[Signature of person mailing paper]

C. Steven McDaniel
Reg. No. 33,962
Conley, Rose & Tayon, P.C.
P. O. Box 3267
Houston, Texas 77253-3267
(713) 238-8010 Fax (713) 238-8008
ATTORNEY FOR APPLICANTS

COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

The declaration is of the following type: (check one applicable item below)

original
 design
 supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

national stage of PCT

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

divisional
 continuation
 continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

VACCINES EXPRESSED IN PLANTS

SPECIFICATION IDENTIFICATION

The specification of which: (complete (a), (b) or (c))

(a) is attached hereto

(b) was filed on _____ as Serial No. 0 _____ or Express Mail No., as Serial No. not yet known _____ and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

(c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and

in compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) no such applications have been filed.
(e) such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US94/02332

4 March 1994

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Ned L. Conley	19,204	Gregory L. Maag	32,363
Kevin L. Daffer	35,146	Eric B. Meyertons	34,876
Michael F. Heim	32,702	Leslie V. Payne	P38,267
Shawn Hunter	36,168	David A. Rose	26,223
Bruce Noël Kivlin	33,929	Jeffrey W. Tayon	30,717
C. Steven McDaniel	33,962	Marcella W. Watkins	36,962

(check the following item, if applicable)

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

C. Steven McDaniel
Conley, Rose & Tayon, P.C.
P.O. Box 3267
Houston, Texas 77253-3267

C. Steven McDaniel
(713) 238-8010

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor:

CHARLES

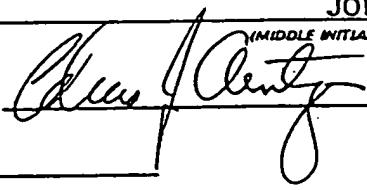
(GIVEN NAME)

JOEL

(MIDDLE INITIAL OR NAME)

ARNTZEN

(FAMILY (OR LAST NAME))

Inventor's signature: 

Date: _____

Country of Citizenship: U.S.A

Residence: The Woodlands, Texas

Post Office Address: 58 Bridgeberry, The Woodlands, Texas 77381

* * *

Full name of second joint inventor, if any:

DOMINIC

(GIVEN NAME)

MAN-KIT

(MIDDLE INITIAL OR NAME)

LAM

(FAMILY (OR LAST NAME))

Inventor's signature: _____

Date: _____

Country of Citizenship: U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 9 Wedgewood Glen, The Woodlands, Texas 77381

* * *

Full name of third joint inventor, if any:

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

(FAMILY (OR LAST NAME))

Inventor's signature: _____

Date: _____

Country of Citizenship: _____

Residence: _____

Post Office Address: _____

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION

Signature for further and subsequent joint inventors. Number of pages added: _____

* * *

Signature by administrator(s), executor(s) or legal representative for deceased or incapacitated inventor. Number of pages added _____

* * *

Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added _____

* * *

Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).

* * *

Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

Number of pages added 1

* * *

Authorization of attorney(s) to accept and follow instructions from representative.

* * *

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)

This declaration ends with this page.

DEPARTMENT OF COMMERCE

COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

The declaration is of the following type: (check one applicable item below)

original
 design
 supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

national state of PCT

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

divisional
 continuation
 continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

VACCINES EXPRESSED IN PLANTS

SPECIFICATION IDENTIFICATION

The specification of which: (complete (a), (b) or (c)

(a) is attached hereto
(b) was filed on June 7, 1995 as Serial No. 08/479,742 and was amended by Preliminary Amendment filed concurrently therewith.

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

(c) was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ if any).

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and

in compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

(d) no such applications have been filed.
(e) such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US94/02332

4 March 1994

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national state, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Ned L. Conley	19,204	Gregory L. Maag	32,363
Kevin L. Daffer	35,146	Eric B. Meyertons	34,876
Michael F. Heim	32,702	Leslie V. Payne	P38,267
Shawn Hunter	36,168	David A. Rose	26,223
Bruce Noël Kivlin	33,929	Jeffrey W. Tayon	30,717
C. Steven McDaniel	33,962	Marcella W. Watkins	36,962

(check the following item, if applicable)

Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

C. Steven McDaniel
Conley, Rose & Tayon, P.C.
P.O. Box 3267.
Houston, Texas 77253-3267

C. Steven McDaniel
(713) 238-8010

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the spelling for last name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor:

CHARLIE	JOE	FRANZIE
FRANZIE	MIDDLE INITIAL OR NAME	NAME FOR LAST NAME

Inventor's signature: 

Date: _____ Country of Citizenship: U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 58 Bridgberry, The Woodlands, Texas 77381

Full name of second joint inventor, if any:

DOMINIC	MARK	JAM
FRANZIE	MIDDLE INITIAL OR NAME	NAME FOR LAST NAME

Inventor's signature: 

Date: 8-10-95 Country of Citizenship: U.S.A.

Residence: The Woodlands, Texas

Post Office Address: 8 Wedgewood Glen, The Woodlands, Texas 77581

Full name of third joint inventor, if any:

FRANZIE	MIDDLE INITIAL OR NAME	NAME FOR LAST NAME
---------	------------------------	--------------------

Inventor's signature: 

Date: _____ Country of Citizenship: _____

Residence: _____

Post Office Address: _____

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION

Signature for fourth and subsequent joint inventors. *Number of pages added: _____*

* * *

Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added _____*

* * *

Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added 1*

* * *

Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).

* * *

Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

Number of pages added 1

* * *

Authorization of attorney(s) to accept and follow instructions from representative.

* * *

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)

This declaration ends with this page.

DEPARTMENT OF COMMERCE